

1880-81
CATALOGUE

OF THE

UNIVERSITY OF NORTH CAROLINA

AT

CHAPEL HILL.

1880-'81.

RALEIGH:

EDWARDS, BROUGHTON & CO., PRINTERS AND BINDERS.

1881:

CALENDAR FOR 1880-'81.

1880.		
Aug.	26	BEGINNING OF THE COLLEGIATE YEAR.
Aug.	26, 27, 28	Entrance Examinations.
Oct.	12	ANNIVERSARY OF THE FOUNDATION OF THE UNIVERSITY.
Nov.	25	THANKSGIVING.
Dec.	22	CHRISTMAS VACATION of one week begins.

1881.		
Feb.	22	WASHINGTON'S BIRTHDAY.
March	15	CLASS DAY.
May	31	Annual Meetings of the Dialectic and Philanthropic Societies.
June	1	Address before the Societies, by Hon. M. W. Ransom.
June	1	Baccalaureate Sermon, by Rev. W. P. Harrison, D.D., of Washington City.
June	1	Meeting of the NORTH CAROLINA HISTORICAL SOCIETY.
June	2	COMMENCEMENT.

CALENDAR FOR 1881-'82.

1881.		
Aug.	25	BEGINNING OF THE COLLEGIATE YEAR.
Aug.	25, 26, 27	Entrance Examinations.
1882.		
June	1	COMMENCEMENT.

BOARD OF TRUSTEES.

HIS EXCELLENCY, THOMAS J. JARVIS,
Governor and President ex-officio.

HON. WM. L. SAUNDERS, *Secretary.*

TERM EXPIRES NOV. 30, 1881.

Hon. JOSEPH J. DAVIS,	Franklin.
Rev. BENJAMIN S. HARDY,	Greene.
Prof. J. DEBERNIERE HOOPER,	Orange.
Col. G. N. FOLK,	Caldwell.
EUGENE GRISSOM, M. D., LL. D.,	Wake.
Hon. CHARLES M. COOKE,	Franklin.
JAMES C. MARSHALL, Esq.,	Anson.
C. W. HOLLOWELL, Esq.,	Martin.
Hon. THOMAS D. McDOWELL,	Bladen.
Rev. NEILL MCKAY, D. D.,	Harnett.
Gen. ROBERT B. VANCE,	Buncombe.
Col. WILLIAM B. SHAW,	Currituck.
Hon. WALTER L. STEELE	Richmond.
Col. SAMUEL MCD. TATE,	Burke.
H. CLAY THOMAS, Esq.,	Davidson.
JOSEPH WILLIAMS, Esq.,	Yadkin.

TERM EXPIRES NOV. 30, 1883.

Hon. THOMAS S. ASHE, LL. D.,	Anson.
WILLIAM J. HAWKINS, M. D.,	Warren.
Hon. KEMP P. BATTLE, LL. D.,	Orange.
CHARLES W. BROADFOOT, Esq.,	Cumberland.
Hon. PAUL C. CAMERON,	Orange.
E. HAYNE DAVIS, Esq.,	Iredell.
JOHN E. DUGGER, Esq.,	Wake.
BENJAMIN F. GRADY, Esq.,	Sampson.
JAMES A. GRAHAM, Esq.,	Alamance.
LOUIS C. LATHAM, Esq.,	Washington.
Hon. MATTHIAS E. MANLY, LL. D.,	Craven.

WILLIAM N. MEBANE, Esq.,.....	Rockingham.
A. HAYWOOD MERRITT, Esq.,.....	Chatham.
Hon. ZEBULON B. VANCE, LL. D.,.....	Mecklenburg.
Rev. CALVIN H. WILEY,.....	Forsyth.
PATRICK H. WINSTON, Jr., Esq.,.....	Bertie.

TERM EXPIRES Nov. 30, 1885.

Col. JAMES S. AMIS,.....	Granville.
RICHARD H. BATTLE, Jr., Esq ,.....	Wake.
JULIAN S. CARR, Esq.,.....	Orange.
W. H. DAY, Esq ,.....	Halifax.
W. J. EWING, M. D ,.....	Montgomery.
Hon. A. S. MERRIMON, LL. D.,.....	Wake.
JOHN S. HENDERSON, Esq.....	Rowan.
WM. E. HILL, Esq.,.....	Duplin.
W. H. JOHNSTON, Esq.,.....	Edgecombe.
Rev. L. R. McABOY, D. D.,.....	Polk.
REUBEN McBRAYER, Esq.....	Cleveland.
Hon. M. McGEHEE,.....	Person.
Col. PAUL C. MEANS,.....	Cabarrus.
M. H. PINNIX, Esq.,.....	Davidson.
Hon. CHARLES PRICE,.....	Davie.
J. H. THORPE, Esq..	Nash.

TERM EXPIRES Nov. 30, 1887.

Rev. A. D. BETTS,.....	N. C. Conf.
Hon. R. R. BRIDGERS,.....	New Hanover.
Hon. RALPH P. BUXTON,.....	Cumberland.
Hon. GEORGE DAVIS,.....	New Hanover.
Hon. MILLS L. EURE,.....	Gates.
Hon. W. T. FAIRCLOTH, ...	Wayne.
N. P. FOARD, Esq.,.....	Surry.
Hon. JOHN A. GILMER,.....	Guilford.
Maj. JOHN W. GRAHAM,.....	Orange.
F. M. JOHNSTON, Esq.,.....	Davie.
Hon. JAMES M. LEACH,.....	Davidson.
Hon. JOHN MANNING,.....	Chatham.
D. P. McEACHERN, Esq.,.....	Robeson.
R. B. PERBLES, Esq.,.....	Northampton.
Hon. JAMES L. ROBINSON,.....	Macon.
W. J. YATES, Esq.,.....	Mecklenburg.

ADDITIONAL TRUSTEES.

TERM EXPIRES NOV. 30, 1881.

JOHN D. CAMERON, Esq.,.....Orange.
 Hon. GEORGE V. STRONG,.....Wake.

TERM EXPIRES NOV. 30, 1883.

DAVID T. TAYLOE, M. D.,.....Beaufort.
 Hon. WILLIAM L. SAUNDERS,.....Wake.

TERM EXPIRES NOV. 30, 1885.

A. M. LEWIS, Esq.,.....Wake.
 THOMAS SPARROW, Esq.,.....Beaufort.

TERM EXPIRES NOV. 30, 1887.

Rev. DANIEL A. LONG,.....Alamance.
 GEORGE WILLIAMSON, Esq.,.....Caswell.

NOTE:—It is required by law that these additional Trustees shall be “from points conveniently accessible to the seats of government and of the University.”

EXECUTIVE COMMITTEE.

HIS EXCELLENCY, THOMAS J. JARVIS, *Chairman ex-officio.*

HON. PAUL C. CAMERON.

RICHARD H. BATTLE, JR., Esq.

JULIAN S. CARR, Esq.,

EUGENE GRISSOM, M. D., LL. D.

A. M. LEWIS, Esq.

HON. WILLIAM L. SAUNDERS.

HON. GEORGE V. STRONG.

1550-51

FACULTY AND OTHER UNIVERSITY OFFICERS.

HON. KEMP P. BATTLE, LL. D., PRESIDENT,
Professor of Political Economy, Constitutional and International Law.

REV. CHARLES PHILLIPS, D. D., LL. D.,
Professor Emeritus of Mathematics.

J. DEBERNIERE HOOPER, A. M.,
Professor of Greek and French.

REV. ADOLPHUS W. MANGUM, A. M., D. D.,
Professor of Moral Philosophy, History, and English Literature.

GEORGE TAYLOE WINSTON,
Professor of Latin and German.

RALPH HENRY GRAVES, B. SC., C. AND M. E.,
Professor of Mathematics and Engineering.

FREDERIC WILLIAM SIMONDS, M. S., PH. D.,
Professor of Geology, Zoology and Botany.

CAREY D. GRANDY,
Professor of Natural Philosophy.

FRANK PRESTON VENABLE,
Professor of General, Agricultural and Analytical Chemistry.

HON. KEMP P. BATTLE, LL. D.,
Acting Professor of Law.

THOMAS W. HARRIS, A. M., M. D.,
Professor of Anatomy and Materia Medica.

W. C. KERR, A. M., PH. D.,
State Geologist and Lecturer on the Geology of North Carolina.

CHARLES W. DABNEY, JR., A. M., PH. D., (GÖTTINGEN),
*Chemist to the State Board of Agriculture, and Director of Agricultural
Experiment and Fertilizer Control Station.*

REV. N. B. COBB, A. M.,
Lecturer on Stenography.

ROBERT WATSON WINSTON, A. B.,
Instructor in Latin.

ROBERT PAINE PELL,
Instructor in English.

H. H. WILLIAMS,
Librarian.

PROF. GRANDY,
Secretary.

A. MICKLE, ESQ.,
Bursar.

CATALOGUE OF STUDENTS.

1880-'81.

FOURTH YEAR STUDENTS—(SENIORS).

(The letters Cl., Ph., and Sc., denote respectively the Classical, Philosophical, and Scientific course of study.)

ADAMS, WILLIAM JACKSON.....	Cl.....	Carthage.
ALBERTSON, ROBERT BROOKE.....	Ph.....	Raleigh.
AVERY, JOHN MOREHEAD.....	Cl.....	Morganton.
BATTLE, HERBERT BEMERTON.....	Sc.....	Chapel Hill.
BRADY, JOHN EVERETT.....	Cl.....	Davidson College.
DANCY, FRANK BATTLE.....	Cl.....	Tarboro.
DAVIDSON, ALLEN TURNER, Jr.....	Cl.....	Asheville.
ERWIN, WILLIAM EDWIN.....	Ph.....	Hendersonville.
HARRIS, EUGENE LEWIS.....	Ph.....	Granville Co.
HILL, CHRISTOPHER DUDLEY.....	Cl.....	Faison.
HINES, FRANK GORDON.....	Ph.....	Edenton.
HOLT, ROBERT OSCAR.....	Cl.....	Guilford Co.
JOYNER, JAMES YADKIN.....	Ph.....	LaGrange.
LEACH, JAMES MADISON, Jr.....	Ph.....	Lexington.
MCIVER, CHARLES DUNCAN.....	Cl.....	Egypt.
MCIVER, JOHN ALTON.....	Cl.....	Jonesborough.
MCRAE, RODERICK.....	Cl.....	Laurinburg.
MIAL, LEONIDAS LEMAY.....	Cl.....	Wake Co.
MURPHY, JAMES DIXON.....	Ph.....	Pender Co.
NEAL, JOHN WILLIAM.....	Cl.....	Stokes Co.
NIXON, ALFRED.....	Sc.....	Lincoln Co.
PELL, ROBERT PAINE.....	Cl.....	Chapel Hill.
PEMBERTON, WILLIAM DAVID.....	Ph.....	Albemarle.
PHILLIPS, WALTER EVERETT.....	Cl.....	Battleborough.
ROUSE, NOAH JAMES.....	Ph.....	LaGrange.
RUFFIN, JAMES HIPKIN.....	Ph.....	Hillsboro.
RUMBOUGH, HENRY THOMAS.....	Sc.....	Warm Springs.
STEWART, WILLIAM BELFIELD.....	Cl.....	Clinton.
THOMAS, CHARLES RANDOLPH, Jr.....	Cl.....	New Berne.
WALKER, JOHN MOSELEY, Jr.....	Cl.....	Hickory.

WALKER, LUCIAN HOLMES.....	Cl.....	Hickory.
WINBORNE, ROBERT WARREN.....	Cl.....	Murfreesboro.
Total.....		32.

THIRD YEAR STUDENTS—(JUNIORS).

ADAMS, WILLIAM GALES	Cl.....	Iredell Co.
ALDERMAN, EDWIN ANDERSON.....	Ph.....	Wilmington.
ALLEN, ALVIS WALDO.....	Ph.....	Granville Co.
BATTLE, HENRY LAWRENCE.....	Cl.....	Rocky Mount.
BELLAMY, SPIER COFFIELD.....	Ph.....	Enfield.
BRYAN, ROBERT THOMAS.....	Cl.....	Kenansville.
EATON, LAFAYETTE BROWNE.....	Cl.....	Warrenton.
FURGERSON, MACMURRAY.....	Ph.....	Littleton.
GRANDY, ALBERT SYDNEY.....	Cl.....	Oxford.
HAMPTON, DAVID AMZI	Cl ..	Statesville.
JACKSON, JONATHAN WORTH.....	Cl.....	Pittsboro.
JEFFREYS, JOHN OSBORNE	Sc.....	Franklinton.
KENNEDY, DAVID SLOAN.....	Cl.....	Magnolia.
MAYHEW, THOMAS WILLIAM.....	Cl.....	Hyde Co.
MCALISTER, ALEXANDER WORTH.....	Cl.....	Ashboro.
PATTERSON, LOUIS MOREHEAD.....	Cl.....	Salem.
PEEBLES, HENRY BRUCE.....	Ph.....	Jackson.
RADCLIFFE, THOMAS.....	Sc.....	Wilmington.
RICHARDSON, SHAHANE.....	Ph.....	Craven Co.
SKINNER, FREDERICK NASH	Cl.....	Edenton.
STOKES, THOMAS DUDLEY	Sc.....	Richmond, Va.
TILLET, HENRY AUGUSTUS.....	Cl.....	Alamance Co.
WHITE, RICHARD STREET	Ph.....	Elizabethtown.
WHITSETT, GEORGE WALTER.....	Ph.....	Graham.
WILLIAMS, HENRY HORACE.....	Cl.....	Gates Co.
WILSON, GEORGE GREGORY	Cl.....	Greensboro.
WORTH, CHARLES WILLIAM.....	Cl.....	Wilmington.
Total.....		27.

SECOND YEAR STUDENTS—(SOPHOMORES).

BATTLE, TURNER WESTRAY, Jr.....	Ph.....	Rocky Mount.
BROWN, WILLIAM KING.....	Sc.....	Robeson Co.
COWAN, DAVID STONE.....	Ph.....	Columbus Co.
DICK, JOHN MCCLINTOCK.....	Cl.....	Greensboro.
GRAY, ROBERT PERCY	Cl.....	Greensboro.
HARRISON, JOHN ADAMS, Jr.....	Ph.....	Castalia.
HAYS, JOHN WILLIS, Jr.....	Cl.....	Oxford.
HEITMAN, NUMA FLETCHER.....	Cl.....	Lexington.
HUNTER, PERCY ISAAC	Sc.....	Sunbury.

LEWIS, JOHN CHURCHILL	Cl.....	Raleigh.
MCRÆ, WILLIAM PLUMMER.....	Cl.....	Warrenton.
MEBANE, GEORGE ALLEN.....	Cl.....	Mebaneville.
MILLENDER, MARION CHARLES.....	Cl.....	Selma.
PENDER, HERBERT WARD.....	Sc.....	Edgecombe Co.
RIDDLE, CHARLES LUCIEN.....	Cl	Chatham Co.
RUFFIN, EDMUND.....	Ph.....	Hanover Co., Va.
RUFFIN, THOMAS, Jr.....	Ph.....	Hillsboro.
SHERILL, FRANKLIN AVERY.....	Ph.....	Catawba Co.
SMEDES, CHARLES WATTS.....	Cl.....	Raleigh.
SMEDES, EVERT BANCER	Cl.....	Raleigh.
STRAYHORN, JOHN THOMAS.....	Cl.....	Hillsboro.
THOMPSON, HENRY ERWIN.....	Cl.....	Moore Co.
TURLINGTON, IRA THOMAS.....	Ph.....	Johnston Co.
VANCE, THOMAS MALVERN.....	Cl.....	Charlotte.
WILKES, JOHN FRANCIS.....	Ph.....	Charlotte.
WILLIAMS, CYRUS WELLMON.....	Sc.....	Polk Co.
WIMBERLEY, GEORGE LEWIS, Jr.....	Cl.....	Battleboro.
Total,.....		26.

FIRST YEAR STUDENTS--(FRESHMEN).

ALEXANDER, CHARLES TAYLOR.....	Cl.....	Rutherford Co.
ALEXANDER, SAMUEL MIDGET.....	Cl.....	Cresswell.
BATTLE, GEORGE GORDON.....	Cl.....	Rocky Mount.
BOBBITT, SIDNEY MANGUM.....	Ph.....	Granville Co.
BRYAN, JAMES ALEXANDER.....	Ph.....	Salter's, S. C.
BURWELL, HENRY JORDAN.....	Sc.....	Williamsboro.
BURWELL, WILLIAM ARMISTEAD.....	Cl.....	Manson.
CHAUNCEY, SAMUEL JACKSON.....	Sc.....	Flemington.
CRAIG, BRAXTON.....	Cl.....	Chapel Hill.
FITE, HENRY JULIUS.....	Sc.....	Mt. Holly.
GATTIS, SAMUEL MALLETT	Cl.....	Chapel Hill.
GRAVES, BERNARD FRANKLIN.....	Ph.....	Mt. Airy.
HAIRSTON, WILLIAM LASH.....	Sc.....	Winston.
HAMER, MISSOURI ROBERT	Cl.....	Little Rock, S. C.
HARRIS, ANDREW JACKSON.....	Cl....	Oxford.
HODGE, RICHARD DEBNAM.....	Sc.....	Raleigh.
HUME, WILLIAM LOWNDES.....	Cl.....	Brevard.
JONES, ROBERT EDWARD LEE.....	Ph.....	Suffolk, Va.
KENNEDY, EDGAR BRIGHT.....	Sc.....	Lenoir Co.
KIRKLAND, LEONIDAS JOSEPH.....	Sc.....	Chapel Hill.
LENOIR, WALTER JAMES.....	Cl.....	Patterson.
LILES, EDWARD PRENTISS.....	Sc.....	Lilesville.
LONG, AUGUSTUS WHITE.....	Cl.....	Chapel Hill.

LONG, THOMAS HIRAM.....	Ph.....	Chapel Hill.
LOVE, JAMES LEE.....	Ph.....	King's Mountain.
MANGUM, ERNEST PRESTON.....	Sc.....	Chapel Hill.
MCDOWELL, CHARLES HARPER.....	Ph.....	Shufordsville.
MCDOWELL, JAMES ALLEN.....	Ph.....	Shufordsville.
MCINTYRE, ALEXANDER.....	Cl.....	Cameron.
MCINTYRE, PETER.....	Cl.....	Cameron.
MCIVER, WILLIAM DONALD.....	Cl.....	Egypt.
MILLER, JAMES DANIEL.....	Ph.....	Kinston.
MOORE, FURNEY T.....	Sc.....	Harnett Co.
NEVILL, SAMUEL GOODMAN.....	Cl.....	Orange Co.
OVERMAN, HARRY JAMES.....	Cl.....	Salisbury.
PARKS, SIDNEY LEE.....	Cl.....	Wilkes Co.
PRICE, JAMES VALENTINE.....	Ph.....	Madison.
RANDALL WILLIAM GEORGE.....	Cl.....	Burke Co.
REECE JOSHUA MONTGOMERY.....	Sc.....	Booneville.
ROBERTS, JAMES COLE.....	Ph.....	Newbern.
ROUSE, THOMAS RICHARD.....	Ph.....	LaGrange.
SASSER, LEWIS LAFAYETTE.....	Ph.....	Goldsboro.
SAWYER, CHARLES WILLIAM.....	Cl.....	Perquimans Co.
SLOCUMB, JOHN CHARLES.....	Cl.....	Clinton.
STAMPS, PRESTON.....	Cl.....	Milton.
THOMPSON, TRISTRAM BETHEA.....	Cl.....	Little Rock, S. C.
TURRENTINE, SAMUEL BRYANT.....	Cl.....	Hillsboro.
VANCE, JAMES NOEL.....	Ph.....	Asheville.
WHARTON, TURNER ASHBY.....	Cl.....	Greensboro.
WOOD, JULIAN.....	Ph.....	Edenton.
WOODARD, SIDNEY ALBERT.....	Ph.....	Wilson Co.
Total, ...		52.

OPTIONAL STUDENTS.

ADNEY, EDWIN TAPPAN.....	Pittsboro.
L., G., M., H.	
BRASWELL, MACK CLAUDE.....	Battleboro.
Ge., R., P. E., C. & I. L., Lo., Ph., C.	
BRIDGERS, JAMES KELLY.....	Seaboard.
C. & I. L.	
BURNEY, PHILO HENDERSON.....	Davidson College.
C., M., Mi.	
CARPENTER, JOHN DANIEL.....	Mill Springs.
M., H., R., Ph., B., B. K.	
COBB, COLLIER.....	Chapel Hill.
C., P.	

COX, THOMAS.....	Greenville.
C. & I. L.	
FEREBEE, CORNELIUS MACKIE.....	Camden C. H.
C. & I. L., Lo.	
FLOYD, ARCHIBALD CAMPBELL.....	Boone.
L., M., H., R., B. K.	
GREENLEE, EDWARD THOMAS.....	Marion.
C. & I. L., P. E., Ge., A. C., Me., M. P., E. L., Geo.	
HAIGH, DELAGNEL.....	Fayetteville.
L., F., Ge., P. E., C., Pharmacy, G.	
HARRELL, JAMES JOSEPH.....	Lumberton.
C., Ph., Med.	
HARRIS, EUGENE LEWIS.....	Granville Co.
Ge., F.	
HAYS, JAMES MACKINTOSH.....	Oxford.
Med., C., A. C., Ph., B.	
HODGES, JAMES MARCUS.....	Lenoir Co.
Med., C.	
JONES, WALTER TEMPLE.....	Jonesboro.
M., F., Ph., Z., B., Geo., R.	
KLUTTZ, ADAM ALEXANDER.....	Goldsboro.
M., H., C., B. K., L.	
LENOIR, THOMAS BALLARD.....	Patterson.
L., F., M., Z.	
LITTLE, JAMES LAFAYETTE.....	Greenville.
H., L., M.	
LONG, WILLIAM WILLIAMS.....	Weldon.
L., F., Ph., Z., B., C., H.	
MCDUGALD, NEILL MILLARD.....	Devane.
Lo., P. E., Ph., C., Med.	
MCIVER, DUNCAN EVANDER.....	Sanford.
C., F., Law.	
MOIR, ALEXANDER.....	Francisco.
Lo., H., R., E. L.	
NEWMAN, JOHN URQUHART.....	Suffolk, Va.
L., F., G., H., R., M., Ph.	
PATE, THOROUGHGOOD.....	Jaurel Hill.
M., H., R., L., Z., Ph., B.	
PEACE, LEONIDAS VASSAR.....	Granville Co.
Lo., P. E., E. L., J. R., M.	
PULLIAM, JOEL LANE.....	LaGrange, Tenn.
C. & I. L., J. R., H., Ph., B. K.	
RANKIN, ALBERT MCQUISTIAN.....	Greensboro.
L., M., Lo., F., P. E., C. & I. L., J. R., B.	
ROBBINS, ALEXANDER WEATHERLY.....	Jamestown.
P. E., F., J. R., Lo., C.	
ROGERS, JUNIUS FOSTER.....	Granville Co.
A. C., Lo., J. R., P. E., C. & I. L., Ph., L.	

SATTERWHITE, SOLOMON GREEN.....	Henderson.
M., H., L.	
SEXTON, COLL HECTOR.....	Harnett Co.
C., M., Ge., L.	
SHARP, HUNTER.....	Harrellsville.
J. R., C., F., P. E., Pharmacy.	
SHAW, ANGUS ROBERTSON.....	Robeson Co.
R., Lo., L., M., J. R., C., P. E., C. & I. L.	
SHAW, THOMAS JEFFERSON.....	Robeson Co.
Lo., L., R., C., J. R., M., P. E., C. & I. L., Me.	
SMITH, GEORGE WORTHINGTON.....	Raleigh.
E. L., Lo., R., F., C., M., P. E.	
TANKERSLEY, WILLIAM LITTLE.....	Chapel Hill.
Ph., B., L., H.	
TUCKER, JAMES HENRY.....	Greenville.
M., L., H., B. K.	
UZZELL, JOHN RANDOLPH.....	Goldsboro.
Law, Ge., Advanced English.	
WALSER, ZEBULON BAIRD.....	Yadkin College.
Ge., R., P. E., C. & I. L., F., Lo.	
WHITE, BENJAMIN FRANKLIN.....	Bertie Co
L., M., H., C., R.,	
WHITFIELD, WILLIAM COBB.....	LaGrange.
C., M., R., Ph., L., Med.	
WILLIAMS, ROBERT DANIEL.....	Elizabeth City.
B., M., R., H., L., B. K.	
Total.....	43.

ABBREVIATIONS.

A. C.....	Analytical Chemistry.	L.....	Latin.
B.....	Botany.	Lo.....	Logic.
B. K.....	Book-Keeping.	M.....	Mathematics.
C.....	Chemistry, (General).	Me.....	Metaphysics.
C. & I. L.,	Constitutional and International Law.	Med.....	Medicine.
E. L.....	English Language.	Mi.....	Mineralogy.
F.....	French.	M. P.....	Moral Philosophy.
G.....	Greek.	P.....	Physics.
Geo.....	Geology.	P. E.....	Political Economy.
Ge.....	German.	Ph.....	Physiology.
H.....	History.	R.....	Rhetoric.
J. R.....	Junior Rhetoric.	Z.....	Zoology.

LAW STUDENTS.

BOONE, ROBERT BAXTER.....	Roxboro.
BRIDGERS, JAMES KELLY.....	Seaboard.
CAIN, ROBERT LEE.....	Davie Co.
COX, THOMAS.....	Greenville.
DUGGER, SHEPHERD MONROE.....	Watauga Co.
FEREBEE, CORNELIUS MACKIE.....	Camden C. H.
GILLIAM, DONNELL.....	Raleigh.
McIVER, DUNCAN EVANDER.....	Sanford.
MERRITT, JAMES SHANKS.....	Person Co.
MURRAY, CROMWELL PITT.....	St. George's, S. C.
RUMPH, GEORGE MERRICK.....	St. George's, S. C.
TURNER, SAMUEL JEFFERSON.....	Marion.
UZZELL, JOHN RANDOLPH.....	Goldsboro.
WINSTON, ROBERT WATSON, A. B.....	Windsor.
Total.....	14.

STUDENTS IN MEDICINE AND PHARMACY.

BROWN, ZENO.....	Greenville.
FEREBEE, EDWIN B.....	Camden C. H.
HAIGH, DELAGNEL.....	Fayetteville.
HARRELL, JAMES JOSEPH.....	Lumberton.
HAYS, JAMES MACKINTOSH.....	Oxford.
HODGES, JAMES MARCUS.....	Lenoir Co.
McDOUGALD, NEILL MILLARD.....	Devane.
SHARP, HUNTER.....	Harrellsville.
TRIPLETT, JESSE BYNUM.....	Wilkesboro.
WHITFIELD, WILLIAM COBB.....	LaGrange.
Total.....	10.

SUMMARY.

Fourth Year Students.....	32
Third " ".....	27
Second " ".....	27
First " ".....	51
Optional ".....	43
Law ".....	14
Medical ".....	10
	204
Counted twice.....	13
Total	191

REQUISITES FOR MATRICULATION.

For admission into the University, such preparation is required as will enable each student to pursue with advantage the course which he may select. As a rule, each matriculate must be sixteen years of age. Exceptions may be allowed at the discretion of the Faculty.

EXAMINATIONS FOR ENTRANCE.

- IN LATIN.—Caesar's *Gallie War* (5 books), Virgil's *Æneid* (4 books), Cicero's *Select Orations*. Equivalent amounts from other authors will be accepted. Applicants must exhibit some acquaintance with Roman history and geography. A thorough knowledge of forms is indispensable.
- IN GREEK.—Grammar (Goodwin's, Curtius', or Hadley's), Leighton's or White's *Greek Exercises*, Xenophon's *Anabasis* (3 books), Grecian History, Geography and Mythology.
- IN MATHEMATICS.—Arithmetic, Algebra (to Equations of Second Degree).
- IN ENGLISH.—English Grammar, History of the United States, Modern Geography.

Applicants wishing to pursue the Scientific studies, including the branches relating to Agriculture and the Mechanic Arts, are examined in English and Arithmetic. Those desiring to take the Philosophical Course must, in addition, be examined in Latin or Greek, according to the selection made. For the Classical Course, applicants must be examined in all the foregoing studies; Optional students, in such of the above as relate to the studies they select.

For admission to advanced standing, applicants will be examined in the studies completed by the classes which they wish to join. A detailed statement of these studies will be found under the head of the separate schools.

COURSES OF STUDY.

The Faculty recommends one of the following Courses :

1.—CLASSICAL COURSE.

This leads to the Degree of Bachelor of Arts, (A. B.). It corresponds to the old Curriculum, but contains more Scientific and English studies.

The figures in parentheses denote the number of recitations or lectures per week.

FIRST YEAR.—Algebra and Geometry (5), Latin (4), Greek (4), Rhetoric and History (2).

SECOND YEAR.—Trigonometry, Surveying and Analytical Geometry (4), Latin (4), Greek (4), Zoology, Physiology and Botany (3).

THIRD YEAR.—Physics (3), Chemistry (3), Logic and Rhetoric (2), Elocution (1), and any two of the following : *Calculus* (3), *Latin* (3), *French* (3), *German* (3), *Natural History* (3), *Industrial and Agricultural Chemistry* (3). *Greek* (3).

FOURTH YEAR.—Mechanics and Astronomy (3), Geology and Mineralogy (3), Political Economy, Constitutional and International Law (3), English Literature (3), Essays and Orations (1), Psychology and Moral Philosophy (2).

2.—PHILOSOPHICAL COURSE.

This leads to the Degree of Bachelor of Philosophy, (Ph. B.). It has been organized for those wishing to study only one ancient language, presenting a choice between Latin and Greek. This allows still greater devotion to Scientific and English studies.

FIRST YEAR.—Algebra and Geometry (5), Latin or Greek (4), French (3), Rhetoric and History (2).

SECOND YEAR.—Trigonometry, Surveying and Analytical Geometry (4), Latin or Greek (4), German (3), Zoology, Physiology and Botany (3).

THIRD YEAR.—Physics (3), Chemistry (3), Logic and Rhetoric (2), Elocution (1), and any two of the following: *Calculus* (3), *Latin* (3), *German* (3), *Natural History* (3), *Greek* (3), *French* (3), *Industrial and Agricultural Chemistry* (3).

FOURTH YEAR.—Mechanics and Astronomy (3), Geology and Mineralogy (3), Political Economy, Constitutional and International Law (3), English Literature (3), Essays and Orations (1), and Psychology and Moral Philosophy.

3.—SCIENTIFIC COURSE.

This leads to the Degree of Bachelor of Science (B. S.). It groups the studies that relate especially to the practical pursuits of life.

Facilities are afforded for practical training in Scientific studies, particular attention being given to the “branches relating to Agriculture and the Mechanic Arts.” By diligent attention to the studies of this course, students will acquire theoretical and practical knowledge of the Chemistry of Agriculture, the Botany of Agriculture, the Physics of Agriculture, the Mechanics of Agriculture, the Zoology of Agriculture, &c.; as well as a competent knowledge of Mathematics, of German and French, in which languages are the chief publications on Agricultural Science, and of such English studies as will fit them to be useful citizens of their country.

Attention is called to the explanation given elsewhere of the aims of the Schools of Chemistry and Physics and the College of Natural History, respecting preparation for scientific pursuits. It will be seen that the special needs of the Southern people are provided for, instruction being given which will be of inestimable value to men of all professions and of every business.

FIRST YEAR.—Commercial Arithmetic, Book-Keeping and Algebra (5), English (2), Zoology, Physiology and Botany (3), Drawing (2), and either *Latin*, or *French*, or *German* (3).

SECOND YEAR.—Algebra and Geometry (5), Chemistry (3), Rhetoric and History (2), and either *French* or *German* (3).

THIRD YEAR.—Trigonometry, Surveying and Analytical Geometry (4), Industrial and Agricultural Chemistry and Qualitative Analysis (5), Logic and Rhetoric (2), Physics (3), Elocution (1).

FOURTH YEAR.—Mechanics and Astronomy (3), Geology and Mineralogy (3), English Literature (3), Political Economy, Constitutional and International Law (3), and either *Third Year Chemistry or Calculus* (3), or *Moral Philosophy and Psychology* (2).

OPTIONAL COURSES.

The Faculty earnestly advises students to pursue one of the regular courses. But in proper cases they are allowed to choose studies out of the courses, as may be deemed most advantageous, provided they have fifteen class exercises a week, whether lectures, recitations or laboratory practice.

An Optional course once chosen must be adhered to for the session, unless for special reasons the Faculty allows a change. And no student is permitted to take a course not deemed by the Faculty worthy of his time and efforts.

AGRICULTURAL STUDIES.

By availing themselves of an Optional Course, students, whose time and means are limited, may obtain purely agricultural instruction in branches deemed of special value. The Faculty recommends, however, that every sacrifice possible shall be made to secure a symmetrical education.

Efforts are making for the collection into a museum of the best models of plows and other agricultural implements to serve as models for the instruction of pupils. A considerable number is already on hand and others are expected. In this museum will be exhibited, likewise, specimens of the production of the soil of the various parts of the State.

DEGREES.

THE DEGREE OF BACHELOR OF ARTS is conferred upon those students who have passed approved examinations on the studies enumerated in the CLASSICAL COURSE.

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred upon those students who have passed approved examinations on the studies enumerated in the PHILOSOPHICAL COURSE.

THE DEGREE OF BACHELOR OF SCIENCE is conferred upon those students who have passed approved examinations on the studies enumerated in the SCIENTIFIC COURSE.

THE DEGREES OF DOCTOR OF PHILOSOPHY, MASTER OF ARTS, AND MASTER OF SCIENCE, are conferred upon students who have completed post-graduate courses of study prescribed by the Faculty.

MEDALS AND PRIZES.

GREEK MEDALS.

In the Second Greek Class, Gold Medals of equal value are offered :

To the best scholar ;

To the member of the Class who shall make the greatest improvement during the year, and who shall be adjudged the best student of a grade above 85.

MEDAL FOR ORATORY.

The Misses Mangum, of Orange, offer *in memoriam* of their father, Willie P. Mangum, a gold medal as a prize for the best oration, at the Annual Commencement.

THE CHEMISTRY MEDAL.

A gold medal is offered to the most successful student of Chemistry, practical and theoretical.

THE BINGHAM MEDAL.

Maj. Ro. Bingham offers a gold medal to the student that shall stand the best entrance examination on Latin, Greek, Mathematic, and English. The examination will be held at the beginning of next session.

THE ENGLISH MEDAL.

Maj. Ro. Bingham offers a gold medal to the member of the Senior Class that shall write the best English essay. The terms of the competition are announced to the class by the Professor of English Literature.

SCHOLARSHIPS.

THE B. F. MOORE SCHOLARSHIPS.

The late B. F. Moore, of Raleigh, bequeathed \$5,000 in U. S. Bonds, the interest of which is to be devoted to paying the tuition of students.

THE DEEMS FUND.

This fund was established by Rev. Charles F. Deems, D. D., LL. D., as a memorial of his son, Lieutenant Theodore D. Deems. It now amounts to ten thousand and six hundred dollars. The fund is to be loaned to needy students.

COLLEGE OF PHILOSOPHY.

SCHOOL OF POLITICAL SCIENCE.

(Including Political Economy, Constitutional Law, International Law, and Parliamentary Law.)

President Battle.

Instruction in this School is given by text-books and lectures. The scheme of lectures embraces such topics as the following:
The history and theory of STATE TAXATION.

"	"	"	"	"	STATE BANKING.
"	"	"	"	"	NATIONAL BANKING.
"	"	"	"	"	THE STATE DEBT.
"	"	"	"	"	THE NATIONAL DEBT.

The leading cases decided by the Supreme Court of the United States and of this State on the construction of the National Constitution.

Magna Charta of King John, Magna Charta of Edward I., the Petition of Right, the Abolition of Feudal Burdens, the Bill of Rights.

The State Constitution of 1776, the Amendments of 1835, the Amendments of 1854, 1861, 1865.

The Reconstruction Acts, and the Constitution of 1868.

The Amendments of 1874.

The Amended Constitution of 1876.

The causes which led to the Amendments to the National and State Constitutions.

The Rules of Order governing deliberative assemblies.

The Political History of the United States.

While these lectures may be of especial benefit to those who will embrace the legal profession, or engage in politics, they also give information which should be in the possession of every intelligent citizen.

SCHOOL OF METAPHYSICS.

Prof. Mangum.

FIRST YEAR.—*Two Recitations a week.*

FIRST TERM.—Logic.

SECOND TERM.—Rhetoric.

SECOND YEAR.—*Two Recitations a week.*

FIRST TERM.—Psychology.

SECOND TERM.—Moral Science.

The instruction in Logic embraces the Aristotelian system, and what is deemed of value in the later forms. Special attention is given to the application of the principles of Rhetoric to literary criticism.

With the class in Psychology pains are taken to lead the mind of the student to a practical knowledge of the various mental processes as they bear upon the duties and interests of life.

In the study of Moral Science supreme regard is paid to the data of Christianity as furnishing the only rational and acceptable philosophy of the life of duty. Hence, the first book in the department of Ethics presents the Christian Evidences in refutation of the older and the more recent theories of infidelity.

The text-books last used : Atwater's Logic, Hill's Science of Rhetoric, Goldsmith's Traveller and Deserted Village, Munsell's Psychology, Wright's Logic of Christian Evidences, and Gregory's Christian Ethics.

Various authors on the several subjects are used as needed. The method of instruction combines the text-book and lecture.

COLLEGE OF MATHEMATICS.

Prof. Graves and Grandy.

FIRST YEAR.—*Five Recitations a week.*

Algebra, including a discussion of Transversals, Harmonic Division and other Modern methods of Elementary Algebra, Geometry, Theory of Numbers, Different Scales of Notation.

SECOND YEAR.—*Four Recitations a week.*

Construction and use of Tables of Logarithms, Plane and Spherical Trigonometry with applications to Surveying, Heights and Distances, etc., Plane Analytic Geometry.

THIRD YEAR.—*Three Recitations a week.*

Solid Analytic Geometry, Differential and Integral Calculus, Calculus of Variations, Theory of Equations, Elements of Trilinear Co-ordinates.

In this department the aim is to make the course comprehensive and thorough.

The student is assisted both in the class-room and out, and his progress is tested by oral and written examinations.

Throughout the whole course great importance is attached to the solution of problems as the only way to insure a complete mastery of the subject. Written solutions of the more difficult problems are required, and thus scope for originality is afforded and habits of accuracy are developed.

BOOK-KEEPING.

Prof. Graves.

Facilities are afforded for learning the Science of Accounts.

The subjects of Single Entry and Double Entry Book-Keeping are thoroughly explained and illustrated.

Each student is required to write several sets, including various short methods adopted by practical Book-Keepers. This exercise is continued until he is familiar with the ordinary transactions that occur in business.

This course is useful, not only to those who intend to be accountants, but also to those preparing for any pursuit in life who wish to preserve a clear and concise record of their business transactions.

COLLEGE OF ENGINEERING.

Prof. Grandy (in charge.)

FIRST YEAR.—*Four hours a week.*

1. Theory and use of Engineering Instruments, Land Surveying, Drainage, and Irrigation. Practice in the field with the chain, compass, transit and level, supplements the instruction in the class-room. While every refinement of surveying and levelling is thoroughly discussed and illustrated practically, the student is likewise taught to use the ruder methods, where lack of time or instruments would forbid greater precision. Plats of the land adjoining the University are made, their contents estimated, and their division according to various conditions effected.

2. Orthogonal, and Oblique Projections, Projections of Shades and Shadows, Projections of Maps, Drawing. These subjects are illustrated and impressed by the execution of working drawings of buildings and of the simpler kinds of machinery, etc., etc. While this class constitutes a part of a technical course, it requires only a moderate knowledge of pure mathematics, and the subjects taught are of great advantage to the student who is seeking general culture only.

SECOND YEAR.—*Three hours a week.*

1. Survey and Location of Roads, Construction of Roads, Topography. Here, again, the student is made familiar with the methods of the text-book by actual fieldwork. Topographical Maps are drawn, Railroad Curves are staked out, estimates of cost made, and all the cases that occur in practice fully illustrated.

2. Geodesy, Hydrography.

3. Mechanics with applications to the Arch, Foundations, Retaining Walls, Strength of Materials, etc., etc. Graphical Statics, Practical Examples.

4. Axonometric (including Isometric) Projections, Perspective Drawing.

THIRD YEAR.—*Three hours a week.*

1. Structures of Wood, of Stone and of Metal, Building Materials, Stability of Structures, Bridge Construction, Drawing.

2. Kinematics, Hydraulic, Engineering, Thermodynamics.

Examples of celebrated structures are given, also of those with which the student may be familiar.

COLLEGE OF LITERATURE.

This College embraces the Schools of Greek, Latin, English, French and German.

The attention of teachers is directed to the prevalent neglect of the study of English, and especially to the necessity of practice in spelling and composition. The want of a competent degree of literary cultivation in our own language disqualifies many young men of good natural abilities for pursuing with success an advanced education.

In Latin and Greek, applicants for admission are too frequently ill-prepared in the rudiments of Grammar and unskilled in construction, while a large proportion are utterly ignorant of ancient geography, mythology and history. Some of these defects may be remedied by constant exercise in composition, by frequent written translations from one language into another, and by repeating or writing from memory the ideas expressed in the text.

SCHOOL OF GREEK.

Prof. Hooper.

The Greek class of the first year, (4 recitations weekly,) reads selections from Homer's *Iliad*, and from the *Memorabilia* of Xenophon.

Exercises in construction.

The second year, (4 recitations) is occupied in the study of Demosthenes on the Crown and select Tragedies. A portion of the time is given to the History of Greece.

Exercises continued.

A third year's course embraces selections from the Attic orators and from the dramatic and philosophical writers. Advanced studies in philology and construction.

Among books of reference are Jelf's, Buttman's and Kirchner's Grammars, Goodwin's Moods and Tenses, Schlegel's Lectures, Trench's Lectures on Language, Thirlwall's and Grote's Histories, Smith's Antiquities, Schlieman's Explorations.

It is made a special object, by a critical study of the forms and construction of the language, to cultivate exactness of scholarship, as conducing most directly to precision and clearness of thought; and, while preparing the student to appreciate the master-pieces of Greek literature, developing intellectual vigor and discriminating taste.

SCHOOL OF LATIN.

Prof. Winston.

The instruction in this School is given by recitations and occasional lectures. It includes oral and written translations and criticisms of Latin authors, together with frequent practice in writing Latin. Instruction is given in Roman history and in classic mythology and antiquities. The general principles of comparative philology, with especial attention to the Latin verb and noun forms, as well as the philosophy of the subjunctive mood, are explained in a course of lectures.

The progress of the student is tested both by daily recitations and by frequent written examinations; and the final examinations, besides covering the work of the session, relate to passages not previously read by the class.

COURSE OF STUDY.

FIRST YEAR.—*Four Recitations a week.*

Cicero, Livy, Grammar, Composition, History.

SECOND YEAR.—*Four Recitations a week.*

Terence, Pliny, Tacitus, Horace, Composition, History, Lectures.

THIRD YEAR.—*Three Recitations a week.*

Cicero, Tacitus, Juvenal, Persius, Quintilian, Horace,
Latin Theses.

The Professor of Latin would be glad to advise with pupils preparing for College and not having the advantage of skilful teachers.

SCHOOL OF ENGLISH.

Prof. Mangum.

FIRST YEAR.—*Two Recitations a week.*

SCIENTIFIC COURSE.

FIRST TERM.—Studies in Grammar and Composition.

SECOND TERM.—History and English Exercises.

PHILOSOPHICAL AND CLASSICAL COURSES.

FIRST TERM.—The Art of Rhetoric.

SECOND TERM.—History and English Exercises.

SECOND YEAR.—*Two Recitations a week.*

SCIENTIFIC COURSE.

FIRST TERM.—Composition and Rhetoric.

SECOND TERM.—Studies in English.

THIRD YEAR.—*Three Recitations a week.*

ALL THE COURSES.

FIRST TERM.—Logic and Elocution.

SECOND TERM.—The Science of Rhetoric and Elocution.

FOURTH YEAR.—*Four Recitations a week.*

FIRST TERM.—Historical Study of the Language, Criticism and Original Speeches.

SECOND TERM.—History of English Literature, Criticism, Essays, Original Speeches, and Comprehensive Review.

ELECTIVE OR POST-GRADUATE COURSE.—Special English Criticism, extra and advanced studies in the English Language and Literature, and the outlines of Universal Literature.

Text-books last used : Reed & Kellogg's Lessons in Higher English, Gilmore's Art of Expression, Hill's Composition and Rhetoric, Freeman's Outlines of History, Greene's Readings from English History, Bain's Composition and Rhetoric, Supplee's Trench on the Study of Words, Atwater's Manual of Logic, Hill's Science of Rhetoric, Fobes' Elocution, Lounsbury's History of the English Language, Shaw's New History of English and American Literature, Goldsmith, with Hale's Notes, Shakespeare, Quackenbos' Ancient and Oriental Literature, Swinton's Studies in English Literature, and General Review founded on Longfellow's Psalm of Life.

To every member of the Senior Class is assigned a selection from English or American Literature, for private study and thorough criticism.

SCHOOL OF FRENCH.

Prof. Hooper.

Three recitations weekly, for one year, are devoted to the study of the Grammar, including pronunciation, to the reading of Voltaire's Charles XII, and select plays from Racine, Corneille and Molière. Attention is given to the idiomatic forms as compared with our own language and the Classics.

An optional course is arranged for a second year, embracing the master-pieces of the French Drama, specimens of oratory, history and poetry.

Books : Schele de Vere's and Bolmar's Grammars.

SCHOOL OF GERMAN.

Prof. Winston.

FIRST YEAR.—*Three Recitations a week.*

Comfort's Course, Whitney's Reader and Grammar.

SECOND YEAR.—*Three recitations a week.*

Schiller's Tell, Goethe's Faust.

Especial attention is paid to the comparative philology of the English and German Languages.

COLLEGE OF NATURAL SCIENCE.

SCHOOL OF GENERAL AND AGRICULTURAL CHEMISTRY.

Prof. Venable.

There are two courses in this School: A first year's course consisting of lectures on General Chemistry, and a second year's course including Industrial and Agricultural Chemistry and work in the Qualitative Laboratory.

In the former, the class meets the Professor three times a week during the scholastic year. The facts and general principles of Chemistry are presented in the following order:

1. Chemical Physics.
2. The Metalloids, their history and combination with each other.
3. The general principles of Chemical Philosophy.
4. The Metals, their history, combination and uses.
5. Organic Chemistry.

Instruction is given by text-books and lectures, and is illustrated by numerous experiments.

For the benefit of Medical students special attention is given to the Physiological, Medical and sanitary relations of the subject.

In the second year's course lectures are given three times weekly on Industrial Chemistry, or Chemistry as applied to the arts and manufactures. The latter part of the course is taken up by Chemistry applied to Agriculture. The subjects treated of in the lectures on Industrial Chemistry will be,

1. Metallurgy or Extraction of Metals from the Ores.
 2. Manufacture of Glass, Porcelain and Earthenware.
 3. Foods, their production and adulteration.
 4. Clothing—calico-printing, dyeing, bleaching, tanning of leather, etc.
 5. Building Materials—artificial stone, lime, cements, paints, preservation of wood.
 6. Manufacture of candles, soap, inks, matches, etc.
- In Agricultural Chemistry there will be discussed,
1. Chemical constitution of plants.

2. Chemical constitution of soils and atmosphere.

3. Plant food—nature, sources and application of Fertilizers.

In the Laboratory work, which is included under this second year's course, the students spend six hours a week during the year in learning and practicing the methods of Qualitative Analysis. The object is to make them thoroughly familiar with the various substances which they have learned theoretically in the first year's course, and to enable them to determine qualitatively any ordinary unknown substance. A deposit of \$10 is required at the beginning of the session, to defray the cost of apparatus and chemicals.

Text-books and books of reference: Roscoe's Chemistry, Fowne's Chemistry, Fresenius' Qualitative Analysis, Wagner's Technology, Johnston's How Crops Grow and How Crops Feed.

SCHOOL OF ANALYTICAL CHEMISTRY.

This School is designed to prepare students to become Analytical Chemists, Teachers of Chemistry, or Druggists. The course occupies three years. In the first two years the studies pursued are the same as those mentioned in the courses under General and Agricultural Chemistry. In the third, the class spends ten hours a week in the Laboratory, and full instruction is given in practical Chemistry, including the qualitative and quantitative analysis of ores, soils, manures, technical products, &c. Students are also encouraged to undertake original research.

CHEMICAL LABORATORIES.

In addition to the spacious Laboratory heretofore used for Qualitative and Quantitative work, the Trustees have fitted up Person Hall for the Quantitative Laboratory. The two Laboratories are supplied with gas and water, and with the other appliances for the prosecution of experimental work.

SCHOOL OF NATURAL PHILOSOPHY.

Prof. Graves and Grandy.

FIRST YEAR.—*Three Recitations a week.*

PHYSICS. The first portion of the year is devoted to the Mechanics of Solids and Fluids, and the remaining and greater portion to Molecular Physics.

In this class the object is to develop and explain the principles of the science by methods as elementary as possible, and to present to the student a complete course of instruction in Physics. In the study of Molecular Physics special attention is given to the results of modern researches and generalizations.

The principles are illustrated and impressed by numerous experiments throughout the year, and a clearer comprehension of the laws of Physics, and greater familiarity with them, is attained by constant exercise in the solution of problems. An effort is made to give a practical cast, also, to the instruction in this department, by showing the application of the principles in various familiar implements and machines.

In addition to other apparatus, the department has been supplied with a fine Holtz Electrical Machine, capable of giving an electric spark twenty inches in length.

Text-books : Deschanel's Natural Philosophy, and Todhunter's Natural Philosophy.

SECOND YEAR.—*Three Recitations a week.*

1. Rational Mechanics, including Statics, Dynamics of a Particle, and an Introduction to Rigid Dynamics.

2. Astronomy, including spherical and Practical Astronomy and Cosmical Physics.

The Theory of Central Forces is studied in connection with Mechanics.

Text-books : Todhunter's Mechanics, Newcomb and Holden's Astronomy.

COLLEGE OF NATURAL HISTORY.

SCHOOL OF GEOLOGY AND MINERALOGY.

Dr. Simonds.

The instruction consists of

I. *A Course of Thirty Lectures on General Geology*, including Dynamical Geology, Geognosy, Palaeontology, Historical Geology and Archæology.

Text-book : Dana's New Text-book of Geology, 3rd edition.

Books of Reference : Dana's Manual of Geology, Juke's and Geikie's Manual of Geology, Lyell's Principles, Le Conte's Geology, Huxley's Physiography, Macturk's Physical Geography, Maury's Physical Geography, Reports of U. S. Geographical and Geological Surveys and of the Surveys of the various States, Guyot's Earth and Man, Lubbock's Prehistoric Times, Foster's Prehistoric Races of the U. S.

II. *A Course of Five Lectures on the Resources of North Carolina.*

III. *A Course of Laboratory Instruction in Determinative Mineralogy and Blow-pipe Analysis.*

Text-book : Elderhorst's Manual of Qualitative Blow-pipe Analysis, Nason and Chandler's Edition.

Dana's System of Mineralogy is used for reference.

This subject occupies six hours per week during the second term.

SCHOOL OF ZOOLOGY.

Dr. Simonds.

The instruction in this school includes :

I. *A Course of Twenty-five Lectures on General Zoology* during the first session. Six lectures of this course are on "Insects Injurious to vegetation."

Text-book : Nicholson's Text-book of Zoology.

Books of Reference : Nicholson's Manual of Zoology, Orton's Comparative Zoology, Tenney's Manual of Zoology, Agassiz's Methods of Study in Natural History, Huxley's Anatomy of Vertebrated Animals, Cobbold's Entozoa, Packard's Guide to the Study of Insects, Harris' Insects Injurious to Vegetation, Cones' Key to North American Birds, Huxley and Martin's Biology.

II. *A Course of Twenty-five Lectures on Human Physiology and Hygiene*, during the first half of the second term.

Text-book: Cutter's or Dalton's Physiology, (Elementary).

Books of Reference: Dalton's Human Physiology, Marshall's Human and Comparative Physiology, J. C. Draper's Physiology, J. W. Draper's Physiology.

III. *Laboratory instruction in Zoology for advanced students.*

Advanced students will collect, name and arrange specimens of animal life occurring in the vicinity of Chapel Hill.

SCHOOL OF BOTANY.

Dr. Simonds.

In this school are included the following:

1. *A Course of Ten Lectures on Physiological Botany*, delivered during the last half of the second session.

Students taking this course are required to analyze, preserve and describe at least twenty-five species of wild plants. These are to be the property of the University Museum.

Text-book: Gray's Lessons and Manual of Botany.

Books of Reference: Gray's Structural and Systematic Botany, Chapman's Southern Flora, Oliver's Elementary Botany, Sach's Text-book of Botany, Johnson's How Crops Grow, Johnson's How Crops Feed, Porcher's Resources of Southern Fields and Forests.

LAW SCHOOL.

Until the election of a successor to JUDGE BATTLE, PRESIDENT BATTLE will take charge of the school.

This Department contains two classes :

1. The INDEPENDENT CLASS, consisting of students who have no connection with any of the University classes.
2. The UNIVERSITY CLASS, consisting of such students of the University as are allowed by the Faculty, in addition to their regular duties, to pursue the study of law.

The plan of studies comprises Blackstone's Commentaries, Williams on Real Property, Williams on Executors, 1st Greenleaf on Evidence, Stephens on Pleading, Chitty's Pleading, Adams's Doctrine of Equity, Stephens on Evidence and the Code of Civil Procedure.

While particular attention is directed to preparation for obtaining License to practice Law in the Courts of this State, it is endeavored to give the student a broad, liberal knowledge of the law. Wherever the law in North Carolina differs from that enunciated in the text-books, information is given of such difference and the reason therefor.

A Moot Court for the discussion of Law questions and for instruction in the practice of the Courts, will be held by the Professor at such times as the students may desire it.

By courtesy of the Librarians of the University, and of the Dialectic and Philanthropic Societies, the Independent Students have access to their valuable libraries, amounting in the aggregate to near twenty thousand volumes. And by joining one of these Societies they can share in the great benefit derived from participation in their debates and other exercises. They have the opportunity too, on easy terms, if they so desire, to attend the lectures of the President of the University on Constitutional History and Constitutional and International Law, and such other Lectures as they may deem for their benefit.

To complete the course from the beginning will ordinarily require two years for the Independent Class, at the end of which the DEGREE OF BACHELOR OF LAW will be conferred on such students as by their proficiency may be entitled to it. Those joining a class during the course, standing an approved examination on the books already read, or their equivalents, will be allowed to compete for this degree.

The Professor of Law is not subject to the ordinary University regulations, and receives no salary from the Trustees of the University ; but is

entitled to demand from each member of the Independent Class fifty dollars per session, and from each member of the University Class thirty-five dollars per session. Any student entering for the whole course and paying one hundred and fifty dollars shall be entitled to attend it without further charge. The sessions and vacations of this department are the same as those of the University; but the Professor will, when not absent from Chapel Hill, give instruction during the vacations to such members of either class as desire it, without any extra charge.

Students will be received at any time and for any period. In such cases reasonable reduction of tuition fees will be made.

Board can be had at Chapel Hill at reasonable rates.

SCHOOL OF MEDICINE AND PHARMACY.

THOMAS W. HARRIS, A. M., M. D., Professor of
Anatomy, Materia Medica and Pharmacy.

FREDERIC W. SIMONDS, Ph. D., Professor of
Botany and Physiology.

FRANK P. VENABLE, Professor of General,
Analytical and Applied Chemistry.

FIRST YEAR.—Anatomy, Materia Medica and Therapeutics, three lessons per week.

Botany and Physiology.

General Chemistry, three lessons a week, with Laboratory work.

SECOND YEAR.—Anatomy, Practice of Medicine, Surgery, Obstetrics, Analytical and Applied Chemistry. Laboratory work, six hours a week.

Dissection is made obligatory on students of Anatomy. After the dissections are over, a short course on the operations of Surgery is given. Students have the opportunity of making the operations for themselves.

The School is in the possession of a good supply of dissected models, made by the celebrated Dr. Auzoux, of Paris. These are of great service in illustrating the lessons in Anatomy and Physiology, when dissections are not practicable.

The text-books for study and reference are, in

Anatomy : Gray.

Physiology : Foster, Dalton, Flint.

Materia Medica and Therapeutics : Bartholow, Stillé, and Maisch.

Practice : Bartholow, Flint, Fothergill.

Surgery : Bryant, Gross, Erichsen.

Obstetrics : Playfair, Cozeam.

Chemistry and Botany : (See those Schools, pp. 29 and 33.)

Students who spend two years at the Medical School of the University and study all the branches of Medicine, may become candidates for graduation after one session at the Medical Colleges whose diplomas they may seek.

The sessions of the Medical School begin and end with those of the other departments of the University.

The charges are for Anatomy \$50.00, for Physiology and Botany, \$7.50, for Chemistry, (including Laboratory work,) \$30.00.

PHARMACY.

The course of study extends over two sessions of five months each, and includes

Materia Medica and Pharmacy, by Dr. Harris.

Botany, by Dr. Simonds.

Chemistry, General, Analytical and Applied, by Prof. Venable.

The course in Materia Medica includes the study of drugs, their physical properties, physiological actions and the actions of poisons and their antidotes.

In Pharmacy students are given theoretical and practical instruction in the art of preparing the various Pharmaceutical compounds.

Text-books: Sillé and Maisch, Parrish's Pharmacy.

Students who have attended the exercises of this school for two sessions of five months each, or who have attended one session at this school, with one session at some other recognized school of Pharmacy, and who shall stand an approved examination on all the studies of the course, will be entitled to CERTIFICATES OF GRADUATION. Those who have had three years' experience as drug clerks, in addition to the above requirements, will be entitled to the Diploma and DEGREE OF GRADUATE OF PHARMACY.

Diplomas will be given in exchange for certificates as soon as their possessors shall furnish satisfactory evidence of having the requisite experience in compounding drugs.

The charges are, for Materia Medica and Pharmacy, \$30.00; Botany, \$5.00.

SCHOOL OF STENOGRAPHY.

Rev. N. B. COBB, A. M., Lecturer.

This School is designed to prepare students to become Editors, Law and Newspaper Reporters, Stenographers of Congressional and Legislative Assemblies and Committees, Corresponding Clerks of Commercial Houses, Railroad Officials and Teachers of Phonography, as well as to qualify them to make full and accurate reports of such lectures, sermons, addresses, &c., as they may wish to record for private use.

The course of instruction extends through one collegiate year and embraces a thorough drill in Phonetics, Phonography, Phonographic Abbreviation and Phrase-writing.

The system of Phrase-writing taught is the same as that used by the principal reporters of New York and Washington City, and is capable of being written at a speed of over two hundred words per minute.

Any diligent student of ordinary capacity and fair English education can fit himself for *verbatim* reporting in one collegiate year. Some, by devoting themselves exclusively to the one study, become reporters in a much shorter time.

The Lecturer on Stenography is not subject to the College regulations, and receives no salary from the Trustees. He is entitled to charge a fee of \$50 per collegiate year for each student in his department.

Text-books: Munson's Complete Phonographer, Phrase-book of Practical Phonography and Phonographic Dictionary.

The regular sessions conform to those of the University, but independent students may enter at any time.

HISTORY.

The University of North Carolina was established in obedience to a clause of Section XLI of the Constitution of the State, adopted on the 18th of December, 1776, viz: "All useful learning shall be duly encouraged and promoted in one or more Universities."

In consequence of the exigencies of the War for Independence, and the prostration following it, some years elapsed before the mandate of the Constitution was carried into effect.

On the 21st of November, 1789, the Convention of the State convened in Fayetteville, ratified the Constitution of the United States, and entered the American Union. One month thereafter, the General Assembly, sitting in the same town, granted the Charter of the University. The preamble declares that "in all well regulated governments it is the indispensable duty of every Legislature to consult the happiness of the rising generation, and endeavor to fit them for an honorable discharge of the social duties of life by paying the strictest attention to their education," and that "a University supported by permanent funds, and well endowed, would have the most direct tendency to answer the above purpose." The Trustees were the leading men of that day, many of them having assisted in framing the Constitution of 1776.

In November, 1792, the University was located on an elevated plateau several hundred feet above the sandstone basin which traverses the State, a plateau remarkable for the purity of its water, the beauty and variety of its forest growth and the healthfulness of its climate.

On October 12th, 1793, the corner-stone of the first building, the Old East, was laid with Masonic honors by Governor Wm. Richardson Davie, Grand Master. The doors were opened for students in February, 1795. The buildings are now eight in number, affording accommodations for 500 students, with ample recitation rooms and public halls.

LOCATION.

The University is situate 28 miles from Raleigh and 12 miles from Durham, on the North Carolina Railroad. A daily stage-line connects at Durham, with the railway trains. It is expected that the State University Railroad will be completed before the beginning of the next session, thereby affording connection by rail with the North Carolina Railroad at University Junction.

GOVERNMENT.

The University is under the control of a Board of 72 Trustees, elected by the joint vote of the General Assembly. Of these, one-fourth go out of office, and their places are filled, every two years. Although not required by law, in practice they are distributed among the Congressional Districts. The Board meets regularly twice a year; in the winter at Raleigh on a day selected by the Chairman, and in the summer at Chapel Hill during Commencement week. The former is called the Annual Meeting. The Governor is *ex-officio* Chairman of the Board. Ten constitute a quorum.

THE EXECUTIVE COMMITTEE.

During the recess of the Board, an Executive Committee of seven Trustees, elected at the Annual Meeting, exercises all the powers of the Board of Trustees, except those specially prohibited.

FACULTY.

The Faculty consists of thirteen Professors, including the President. Of these, the Chemist of the State Board of Agriculture, in charge of the Agricultural Experiment and Fertilizer Control Station, the Professors of Law and of Anatomy and Materia Medica, and the State Geologist, are not charged with duties connected with the discipline of the University.

ORGANIZATION.

As re-organized, the institution is designed to hold the position and to do the work of a University. In the several colleges which it embraces, it offers independent instruction in the different departments of knowledge. While thus meeting the requirements of various circumstances and of individual taste, the Trustees have grouped several systems which experience indicates as adapted to the necessities of those who desire effective mental discipline, together with liberal culture.

DISCIPLINE.

The discipline of the institution is designed simply to prevent irregularities and excesses which conflict with the improvement of its members. The laws require faithful attention to duty and abstinence from everything that may interrupt or disturb study. Students will be required to observe decorum and courtesy towards each other at all times, and the practice of *hazing* will be rigorously suppressed.

No secret societies or clubs, other than the two well-known literary societies, (Dialectic and Philanthropic), will be allowed, without the express permission of the Trustees of the University.

The Faculty will remove from the University any student who is negligent of his duties, or exerts an evil influence over his fellows.

RECITATIONS AND LECTURES.

Each student is required to attend, on an average, three class exercises daily, except on Saturday and Sunday—the former day being appropriated to the exercises of the two literary societies.

EXAMINATIONS AND REPORTS.

In addition to the daily recitations and lectures, systematic written examinations are held from time to time on the various studies, and, at the close of each term, comprehensive and searching final examinations are held on all the studies pursued during the term.

Regular monthly reports are made to parents, concerning the punctuality and diligence of the students, and detailed reports of scholarship are made at the close of each term.

LITERARY SOCIETIES.

In connection with the University are the Dialectic and Philanthropic Literary Societies, to one of which each student is expected to attach himself. The halls and libraries of these societies are commodious and elegantly furnished. The libraries contain each over seven thousand volumes, including history, biography, poetry, science, philosophy and the standard English and American Reviews and Magazines. Each society owns many valuable busts and portraits and a considerable museum of curiosities and minerals.

The exercises of these societies and access to their libraries are ranked among the prominent advantages offered by the University. They afford practice in debating and writing, and familiarize the students with the rules of order governing deliberative assemblies.

RELIGIOUS SERVICES.

The students are expected to attend the Sunday Bible classes, the daily morning prayers in the University Chapel, and the Sunday morning services in the several churches in the village.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

There is a branch of the Young Men's Christian Association among the students. It has many members of spirit and activity, and its influence for good is very marked.

Regular meetings are held every Sunday afternoon, and prayer-meetings each evening during the week, in one of the University halls set apart for the purpose.

MUSEUMS.

The UNIVERSITY MUSEUM occupies the large hall on the third floor of the East Building. Here the cabinets of the various departments have been brought together and arranged. The Geological and Mineralogical collection includes the "Vienna Cabinet," which alone comprises over two thousand specimens from all parts of the world; a large collection of minerals, rocks and fossils, collected by the late Dr. Eumons, when State Geologist, donated to the University by the State; and much material secured through the kindness of the present State Geologist, Prof. Kerr, illustrating the practical application of Geology to the arts—such as a number of jars of pigment of various colors, donated by John Lucas & Co., of Philadelphia; a set of North Carolina marls, now so extensively known as fertilizers; samples of mica, gold and other minerals, and of building stones found within the State.

The ZOOLOGICAL COLLECTION includes a cabinet of insects collected in the vicinity of Chapel Hill, containing rare and valuable species, a large number of reptiles preserved in alcohol, and many bird skins, which it is hoped may, at an early day, be mounted.

In BOTANY, besides an Herbarium of the local flora, there is a fine set of native woods, carefully prepared and labeled; and a large collection of seeds, grains and fibres from many countries, secured for the Museum

by the State Geologist, some of which will be employed in the experiments of the students in Botany.

In the Dialectic Building (New West), a room has been set apart, known as the AGRICULTURAL MUSEUM. The collection at present embraces various valuable machines and tools employed in Agriculture.

LIBRARIES.

The libraries of the two Societies have been already mentioned. The University library contains about six thousand volumes and two thousand pamphlets. It is especially useful to students of history and language. Its French and English editions of the Classics and books illustrating Greek and Roman history, antiquities and mythology, are rare and valuable. A list of the contributions made to the College and Society libraries during the past year will be found on another page.

ANNUAL EXPENSES.

Tuition (including room and attendance).....	\$ 85 00.....	\$ 85 00
Washing	9 00.....	9 00
Board	63 00 to.....	112 50
Wood	3 50.....to.....	10 50
Lights.....	1 00.....to.....	2 00
Books.....	6 00.....to.....	12 00
Deposit for damages.....	2 00.....	2 00
Total.....	\$169 50.....to.....	\$233 00

To these items must be added others which will be determined by the habits of the students themselves; viz : travelling expenses, clothing, furniture of room, pocket money, and fees in one of the Literary Societies. Books and stationery will be furnished at New York retail prices.

During the present session over sixty students, by forming clubs, obtained board at cost, being not more than \$7.00 per month.

The fee for tuition must be paid in advance. The Faculty earnestly advises parents to send the money necessary for defraying the expenses of their sons to A. Mickle, Esq., Bursar, who will safely keep and pay out the same without charge. Pains will be taken to confine the expenses of education at the University within reasonable limits. If the provisions of the "Act concerning the University," in Battle's Revisal, are faithfully observed, parents and guardians may feel confident that this desirable result will be secured.

STATE STUDENTS.

By Section 3 of the Act of the General Assembly of February 11th, 1867, "It shall be the privilege of the County Court (now County Commissioners), in each county in this State forever to select annually one native of the State, resident in said county, of good moral character and capacity for usefulness, without the requisite means to defray the necessary expenses of education, who shall be admitted to any classes in the University for which he may be prepared, free of all charges for tuition and room rent, so that each county may always have one representative."

And by Section 4: "In order to promote the liberal and practical education of the industrial classes of the State, pupils may be admitted to the branches of Agriculture and Mechanic Arts who possess the requisite qualifications for these studies, without the previous literary training requisite for admission into the regular college courses."

By a recent Act of Assembly, it is required that the applicant for the county appointment shall prove, by his own oath, and at least one other credible witness, that neither he nor his parents or guardian, nor either of them, have the requisite means to defray his tuition and room rent. Those who obtain these appointments must promise the Faculty of the University, in writing, that they will teach in the State a period equal to half the time during which they shall receive free tuition.

OTHER BENEFICIARIES.

The Faculty not only are ready to comply with this law, but by authority of the Board of Trustees, will, under proper restrictions, admit other worthy young men, without means—not confining themselves to one from each county.

AID TO INDIGENT STUDENTS.

By means of the Deems Fund, the Trustees are enabled to loan money to indigent students pursuing their studies at the University.

THE DEEMS FUND.

This fund was established by the Rev. Charles F. Deems, D. D. LL. D., as a memorial of his son, Lieut. Theodore D. Deems. The gifts of the founder, aided by the munificent generosity of Mr. Wm. H. Vander-

bilt, of New York City, amount to ten thousand six hundred dollars. The fund is to be loaned in small sums to needy and meritorious students of this University. The loans draw interest at the rate of five per cent. per annum, and they must be well secured. The time of payment will be fixed with due regard to the circumstances of each borrower.

Nine students have been assisted out of the Deems Fund, and a large number of additional applications have been filed for action at the next session.

HONORARY DEGREES CONFERRED.

JUNE 2, 1880.

DOCTORS OF LAWS, (LL. D.)

HON. W. N. H. SMITH,.....Chief Justice Supreme Court of N. C.
HON. DAVID SCHENCK,.....Judge of the Superior Court of N. C.

DOCTORS OF DIVINITY (D. D.)

REV. JOS. M. ATKINSON,.....Raleigh.
REV. D. MCGILVARY, ...Missionary Bangkok, Siam
REV. THOS. G. STARR,.....Richmond, Va.
REV. EDWARD RONDTHALER,, ...Salem.

MASTERS OF ARTS (A. M.)

A. M. BOOZER, Esq.,.....South Carolina.
DR. W. H. HALL,.....New York.
ISAAC W. CLARKE,.....Texas.
DR. T. W. HARRIS,.....Chapel Hill.

DEGREES CONFERRED IN COURSE.

BACHELORS OF ARTS (A. B.)

BATTLE, THOMAS HALL	Chapel Hill.
COBLE, ALBERT LUCIEN.....	Alamance county.
CRAIG, LOCKE.....	Chapel Hill.
FAISON, HENRY ELIAS.....	Faison.
HAYWOOD, Ernest.....	Raleigh.
JOHN, RODERICK BELTON.....	Laurinburg.
PHILLIPS, ALEXANDER LACY	Chapel Hill.
RANSOM, ROBERT.....	Northampton county.
SHARPE, BENJAMIN CHARLES.....	Tarboro.
SLADE, WILLIAM BONNER.....	Columbus, Georgia.
VAUGHAN, LATIMER CLARK	Warrenton.

BACHELORS OF PHILOSOPHY (PH. B.)

AYCOCK, CHARLES BRANTLEY.....	Fremont.
BETTS, WILLIAM ARCHIBALD	Duplin county.
BROOKS, THOMAS COOK.....	Person county.
COBB, CHALES COTESWORTH.....	Lincolnton.

RECIPIENTS OF MEDALS.

1879-'80.

GREEK MEDAL.

SKINNER, FREDERICK NASH.....	Edenton.
WILLIAMS, HENRY HORACE	Gates county.

CHEMISTRY MEDAL.

AVERY, JOHN MOREHEAD.....	Morganton.
---------------------------	------------

LATIN MEDAL.

SMEDES, CHARLES WATTS.....Raleigh.

GERMAN PRIZE.

PELL, ROBERT PAINE.....Chapel Hill.

McCAULEY PRIZE.

GILLIAM, DONNELL.....Raleigh.

BINGHAM'S ENTRANCE MEDAL.

MARKHAM, HUGH PARIS Patterson's.

BINGHAM ENGLISH MEDAL.

AYCOCK, CHARLES BRANTLEY.....Fremont.

MANGUM MEDAL.

AYCOCK, CHARLES BRANTLEY.....Fremont.

THE NORTH CAROLINA AGRICULTURAL EXPERIMENT STATION.

DIRECTOR :

CHARLES W. DABNEY, Jr., Ph. D. (Göttingen.)

ASSISTANTS :

William B. Phillips, Ph. B.

William F. Brugmann, Ph. B.

*James C. Taylor, B. S.

Herbert B. Battle.

A. D. Mickle.

It is now the beginning of the fourth year of the existence of this Station, which was created by an act of the General Assembly of March 12th, 1877. Organized under the directorship of Dr. Albert R. Ledoux, the Station was soon brought, through his energy and scientific skill, to an eminent position of influence and usefulness. Its work, which at first embraced simply the analysis of fertilizers, has been gradually extended, until at present it is fully equipped for all the investigations which the leading agricultural interests of the State demand.

All the fertilizers legally on sale in the State are sampled by the agent of the Department of Agriculture and analyzed at the Station. The publication of these analyses, with the commercial values of the fertilizers, has protected the farmers and caused these articles to be very much improved without increasing their prices.

Chemicals used in composting, marls, mucks, and all materials used in the home production of manures are analyzed for farmers, free of charge, when samples are taken according to directions.

Seeds of grains, grasses, vegetables are examined with reference to their purity and their germinating capacity. The Station owns one of the completest collections of seeds in America for reference in these investigations. Useful or injurious weeds and grasses are identified and reports are made upon their value or the methods of exterminating them. Insects injurious to vegetation are identified and reports made upon the best means of destroying them.

* Resigned.

Minerals, Ores, Mineral Waters are analyzed quantitatively in all cases in which the State Geologist considers it desirable. Qualitative examinations and identifications of minerals and ores are made whenever desired.

Upon an experimental field the best methods of manuring for different crops are studied, and experiments on new crops are made.

As chemist to the State Board of Health, the Director has had numerous examinations of drinking waters with reference to their healthfulness made, as also of articles of food and drugs with reference to adulteration, of disinfectants, &c., &c.

Eleven hundred examinations of these various classes have been made in the three year's existence of the Station, and the demands for work are steadily increasing. These demands will be as rapidly met as our force allows, and the results of investigations will be promptly communicated. Results of general interest are published in the newspapers of the State.

The printed reports of the Station cover numerous subjects of practical interest to our farmers, viz: directions for composting, formulas for different soils and crops, analyses of chemicals and fertilizers, on utilizing bones, upon drinking waters, the value of pine straw, the value of cotton seed as a fertilizer, the use and value of the cow pea, the composition of marls, &c., &c. They will be mailed free of charge upon request.

The Director invites correspondence upon all subjects pertaining to agricultural science.

Directions for taking samples are sent on request.

It is the wish of the Board to make the Station as widely useful as its resources will allow. Every citizen of the State concerned in agriculture has the right to apply to the Station for any assistance which it comes within its capacity to render, and the Station will respond to all applications as far as lies in its power.

UNIVERSITY NORMAL SCHOOL.

The school was opened at Chapel Hill, N. C., June 24th, and closed July 29th, 1880, and was held in the University buildings.

THE FACULTY, OFFICERS AND INSTRUCTORS.

Hon. Kemp P. Battle, LL. D., President.

Prof. Jed Hotchkiss, Staunton, Va., Superintendent until July 6th, and Lecturer on Geography.

Prof. Henry E. Shepherd, Baltimore, Md., Superintendent from July 6th to the close of the school, and Lecturer on the English Language.

Prof. Alexander McIver, Greensboro, N. C., Teacher of Mathematics, English Grammar and History.

Prof. Julius L. Tomlinson, Baltimore, Md., Teacher of English Grammar and Geography.

Dr. R. H. Lewis, Kinston, N. C., Teacher of Physiology and Hygiene.

Prof. R. O. Holt, Oak Ridge, N. C., Teacher of Drawing and Penmanship.

Prof. W. B. Phillips, Chapel Hill, N. C., Teacher of Chemistry and Natural Philosophy.

Prof. A. L. Coble, Graham, N. C., Teacher of Algebra.

Prof. A. W. McAllister, Ashboro, N. C., Teacher of Latin.

Prof. R. T. Bryan, Kenansville, N. C., Teacher of Latin.

Prof. N. C. English, Greensboro, N. C., Teacher of Grammar and Geography.

Capt. John E. Dugger, Raleigh, N. C., Teacher of Reading and Phonics.

Prof. Benj. W. Hatcher, Selma, N. C., Teacher of Arithmetic and Analytical Orthography.

Prof. R. P. Pell, Chapel Hill, N. C., Teacher of English Philology and Shakspeare.

Prof. J. M. Weatherly, Jamestown, N. C., Teacher of Reading and Mental Arithmetic.

Mrs Louise Pollock, Washington City, Teacher of Kindergarten System.

Miss Susie Pollock, Washington City, Teacher of Kindergarten System.

Miss Jane F. Long, New York City, Teacher of the "Model Class."

LECTURES AND ADDRESSES.

The following prominent gentlemen delivered Lectures and Addresses before the whole school, in the College chapel:

Prof. Jed Hotchkiss : thirteen lectures on Geography ; two on Palestine, and one on Africa.

Prof. Wm. C. Kerr : six lectures on North Carolina.

Prof. Sylvester Hassel : Astronomy.

Maj. Robert Bingham : English Speaking People.

Prof. F. W. Simonds : two on Zoology and one on Curious Flowers.

Bishop Lyman : Egypt and the Nile.

Rev. E. Rondthaler, D. D. : German Schools.

Rev. T. H. Pritchard, D. D. : Education in North Carolina.

Hon. J. C. Scarborough : School System in North Carolina.

Rev. Wm. B. Royall, D. D. : The Happy Teacher.

Hon. K. P. Battle : The History of the University ; also one lecture on Sacred History.

R. T. Gray, Esq. : Progressive Education.

Dr. Eugene Grissom, LL. D. : Evolution and Science.

Prof. W. B. Phillips : nine lectures on Natural Philosophy, with experiments.

Prof. Henry E. Shepherd : fourteen lectures on the English Language, one on Shakspeare, and two on Graded Schools.

STATISTICS.

Whole number of pupils enrolled, ... 241

Average daily attendance, ... 167

Number of counties represented, ... 55

THE NORMAL SCHOOL OF 1881 will begin June 16 and close July 21.

For information, address President Battle, Chapel Hill, N. C.

FORM OF BEQUEST OR DONATION TO THE
UNIVERSITY.

I give (or bequeath) to the Trustees of the University of North Carolina, to be used exclusively for the following purpose :

.....
.....

DONATIONS TO DEPARTMENT OF INDUSTRIAL CHEMISTRY.

American Wood Paper Co., Rogers Ford, Pa.: specimens of wood-pulp and paper produced.

Pennsylvania Salt Manufacturing Co.: products manufactured from Greenland cryolite.

Henry Stewart, Esq., New Orleans, La.: series of cotton samples and of Louisiana sugar and molasses.

Longdale Iron Co., Alleghany co., Va.: ores, coke, grades of pig-iron and furnace products.

Holston Salt and Plaster Co., Saltville, Va.: rock-salt, plaster, &c.

Allard Memminger, M. D., Charleston, S. C.: twenty varieties of South Carolina phosphates.

Whitall, Tatum & Co., Philadelphia, Pa.: various kinds of glass manufactured.

University of Virginia: specimens illustrating tanning, dyeing, glass-manufacture and metallurgy of iron, lead, tin, copper, &c.

U. S. Department of Agriculture: American grown tea.

DONATIONS TO THE UNIVERSITY LIBRARY.

By Department of the Interior: 48 volumes.

By Gen. Johnstone Jones: Report of Adjutant General of N. C. for 1877, 1878, and 1879, 3 volumes.

By Bureau of Education: 1 Report; Bernard's American Journal of Education, 1 volume.

By Department of Agriculture at Washington, Navy Department, War Department, Engineer Department, Smithsonian Institute, Hon. J. J. Davis, Hon. Z. B. Vance, Hon. M. Ransom: valuable public documents.

By Rob't D. Weeks, Newark, N. J.: Jehovah—Jesus, 1 volume.

By Mrs. Cornelia Phillips Spencer : seven or eight hundred volumes from the library of her father, Rev. Dr. James Phillips, deceased.

By the State of North Carolina : Supreme Court Reports, volume 83 and Acts of Assembly, 1879.

By Hon. James Grant : Nearly 1,000 Gallonius' Sufferings of the Martyrs.

PERIODICALS—American Missionary, Anaes Ministerio de Fomento, Charlotte Democrat, International Review, Science Observer, Musical Record, The Lutheran, Goldsboro Messenger, Greensboro Patriot, Ashboro Advance, Lenoir Topic.

DONATIONS TO THE DIALECTIC LIBRARY.

By John Hilton : Physical Education.

By Hon. John Manning : Life of Chief Justice Manning.

By Hon. W. L. Steele : 8 volumes of Congressional Record ; 9 vols. Reports and Awards of the U. S. International Exhibition ; Smithsonian Report for 1878 ; Agricultural Report for 1879.

By Hon. J. J. Davis : 3 vols. Hall's Arctic Expedition ; U. S. Geological Survey ; Memorial Addresses, Life and Character of Gustave Schleicher ; Memorial Addresses, Life and Character of Orris S. Ferry ; Memorial of Joseph Henry.

DONATIONS TO THE PHILANTHROPIC LIBRARY.

By Hon. J. W. Wheeler : Richard Dobbs Speight.

By W. B. Rodman, Jr. : Life of Gen. Zachary Taylor ; the Rifle and Hound in Ceylon.

By John L. Phillips : Medical and Surgical History of the War of the Rebellion, 4 volumes.

By Z. Brown : Father Ryan's Poems.

By H. L. Battle : Sut Lovingood's Yarns.

By F. G. Hines : Jane Eyre.

By J. A. Henley : Master of Red Leaf.

- By E. L. Harris : Sketches of Western North Carolina.
- By N. J. and T. R. Rouse : Knight's Popular History of England, 2 vols.; Reynoldsburg Debate ; Second Coming of Christ.
- By C. R. Thomas, Jr.: Wisconsin Historical Collections.
- By Prof. C. D. Grandy : Choice Selections, 18 vols.
- By Rev. W. W. Spear, D. D. : New Public Buildings in Penn Square, Philadelphia.
- By A. W. Long : Rambles and Sketches.
- By Hon. John Manning : Hon. T. C. Manning, Chief Justice of La.
- By J. Y. Joyner : Heirs of St. Kilda.
- By D. Gilliam : Pilgrim's Progress.
- By Hon. J. J. Davis : Report of Attorney General ; The Cotton Worm; Report on the Metric System ; Commerce and Navigation of the U. S., 1879; Report on Cotton Insects, 1879; Internal Commerce of U. S., 1879; U. S. Geological and Geographical Survey of the Territories of Idaho and Montana; Hall's 2d Arctic Expedition; Lands of the Arid Region; The Rhizopods of North America; 15 copies Official Gazette of Patent Office; U. S. International Exhibition, 1876, 9 vols.; Department of Agriculture, 1879; Memorial Addresses, on Gustave Schleicher, Memorial Addresses, on Orris S. Ferry, 2 vols.
- By Hon. M. W. Ransom : War of the Rebellion; Lands of the Arid Region; Hall's 2d Arctic Expedition; Report on Forestry, 1877; Report on the Metric System, 1879; Labor in Europe, 1878; Franco-German War.
- By Mrs. C. P. Spencer : Godwin's Lives of Philips.
- By W. K. Brown : Hooper's Examinations.
- Oil portrait of Gen. Bryan Grimes, (by request.)
- Oil portrait of Hon. R. R. Bridgers, (by request.)

